

PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Application Number	10/804,629
				Filing Date	March 19, 2004
				First Named Inventor	Lucey et al.
				Art Unit	1621
				Examiner Name	To Be Assigned NAZARIO-SUNALDZ
Sheet	1	of	3	Attorney Docket Number	19226/2291 (R-5824, R-5875, R-5881)

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	1	US-2003/0097976	05/29/2003	Zehnder et al.	
	2	US-5,474,591	12/12/1995	Wells et al.	
	3	US-5,505,928	04/09/1996	Alivisatos et al.	
	4	US-6,126,740	10/03/2000	Shultz et al.	
	5	US-6,207,229	03/27/2001	Bawendi et al.	
	6	US-6,225,198	05/01/2001	Alivisatos et al.	
	7	US-6,306,736	10/23/2001	Alivisatos et al.	
	8	US-6,576,291	06/10/2003	Bawendi et al.	
	9	US-6,607,829	08/19/2003	Bawendi et al.	
	10	US-6,682,596	01/27/2004	Zehnder et al.	
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		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	11	WO 02/25745	03/28/2002	WIPO		
	12	WO 02/29140	04/11/2002	WIPO		
	13	WO 03/012006	02/13/2003	WIPO		

Examiner Signature	<i>Portino Nazario-Sunaldz</i>	Date Considered	6/22/06
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				Filing Date	March 19, 2004
				First Named Inventor	Lucey et al.
				Group Art Unit	1621
				Examiner Name	To Be Assigned NAZARIO - <del>6/22/06</del> 2A/052
Sheet	2	of	3	Attorney Docket Number	19226/2291 (R-5824, R-5875, R-5881)

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	14	Li et al., "Large-Scale Synthesis of Nearly Monodisperse CdSe/CdS Core/Shell Nanocrystals Using Air-Stable Reagents via Successive Ion Layer Adsorption and Reaction," <i>J. Am. Chem. Soc.</i> , 125:12567-12575 (2003)	
	15	Borchert et al., "Investigation of ZnS Passivated InP Nanocrystals by XPS," <i>Nano Lett.</i> , 2:151-154 (2002)	
	16	Haubold et al., "Strongly Luminescent InP/ZnS Core-Shell Nanoparticles," <i>Chem. Phys. Chem.</i> , 5:331-334 (2001)	
	17	Mićić et al., "Core-Shell Quantum Dots of Lattice-Matched ZnCdSe <sub>2</sub> Shells on InP Cores: Experiment and Theory," <i>J. Phys. Chem. B</i> , 104:12149-12156 (2000)	
	18	Beachley et al., "Chemistry of In(C <sub>5</sub> H <sub>5</sub> ) <sub>3</sub> and Some Heteroleptic Organoinidium (III) Derivatives. Crystal and Molecular Structures of In(C <sub>5</sub> H <sub>5</sub> ) <sub>3</sub> (C <sub>5</sub> H <sub>5</sub> ) <sub>3</sub> In•PPh <sub>3</sub> , and (Me <sub>3</sub> CCH <sub>2</sub> ) <sub>2</sub> In(C <sub>5</sub> H <sub>5</sub> )," <i>Organometallics</i> , 21:4632-4640 (2002)	
	19	Battaglia et al., "Formation of High Quality InP and InAs Nanocrystals in a Noncoordinating Solvent," <i>Nano Lett.</i> , 2:1027-1030 (2002)	
	20	Coates, "Trimethylgallium. Part I. The Relative Stabilities of its Coordination Compounds with the Methyl Derivatives of Groups VB and VIB, and the Thermal Decomposition of Some Trimethylgallium-Amine Complexes," <i>J. Chem. Soc.</i> , pp.2003-2013 (1951)	
	21	Park et al., "Cis-Trans Isomerization and Structure of Dimeric [Me <sub>2</sub> Ga(μ-NH <sup>t</sup> Bu)] <sub>2</sub> ," <i>Organometallics</i> , 11:3320-3323 (1992)	
	22	Coates et al., "Trimethylgallium. Part III. Reaction with Diphenylphosphine and -arsine," <i>J. Chem. Soc.</i> , pp.233-237 (1963)	
	23	Waggoner et al., "Reactions of Trimethylaluminum or Trimethylgallium with Bulky Primary Amines: Structural Characterization of the Thermolysis Products," <i>J. Am. Chem. Soc.</i> , 113:3385-3393 (1991)	
	24	Beachley et al., "Room Temperature Cyclopentadiene Elimination Reaction for the Synthesis of Diethylgallium-Amides, -Phosphides, and -Thiolates. Crystal and Molecular Structures of [Et <sub>2</sub> GaP(t-Bu) <sub>2</sub> ] <sub>2</sub> and [Et <sub>2</sub> GaS(SiPh <sub>3</sub> ) <sub>2</sub> ]," <i>Organometallics</i> , 15:3653-3658 (1996)	

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				Application Number	10/804,629
				Filing Date	March 19, 2004
				First Named Inventor	Lucey et al.
				Group Art Unit	1621
				Examiner Name	To Be Assigned <i>MARTIN GONZALEZ</i>
Sheet	3	of	3	Attorney Docket Number	19226/2291 (R-5824, R-5875, R-5881)

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Examiner Initials <sup>*</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>[Signature]</i>	25	Maury et al., "Raman Spectroscopy Characterization of Polycrystalline GaP Thin Films Grown By MO-CVD Process Using [Et <sub>2</sub> Ga – PEt <sub>2</sub> ] <sub>3</sub> as Only Source," <i>J. Phys. (Paris)</i> , 43:CI-347-CI-352 (1982)	
<i>[Signature]</i>	26	Maury et al., "Synthesis and Characterization of Diethylphosphino Ga(III) and In(III) Complexes with Covalent Metal-Phosphorus Bonds," <i>Polyhedron</i> , 3:581-584 (1984)	
<i>[Signature]</i>	27	Storr et al., "Cyclic Imino Derivatives of Aluminium, Gallium, and Indium Dialkyls," <i>J. Chem. Soc.</i> , pp.3850-3854 (1971)	
<i>[Signature]</i>	28	Storr, "Trimeric Methylaminogallane, (MeNHGaH <sub>2</sub> ) <sub>3</sub> and Related Compounds," <i>J. Chem. Soc.</i> , pp.2605-2608 (1968)	
<i>[Signature]</i>	29	Beachley et al., "Use of Me <sub>2</sub> Ga(C <sub>5</sub> H <sub>5</sub> ) To Prepare (Me <sub>2</sub> GaERR') <sub>n</sub> (E = N, P) at or Below Room Temperature and the Crystal and Molecular Structure of [Me <sub>2</sub> GaP(Me)(Ph)] <sub>3</sub> ," <i>Organometallics</i> , 12:1976-1980 (1993)	
<i>[Signature]</i>	30	Beachley et al., "Cyclopentadiene Elimination Reaction as a Route to Bis(neopentyl)gallium Phosphides. Crystal and Molecular Structures of [(Me <sub>3</sub> CCH <sub>2</sub> ) <sub>2</sub> and [(Me <sub>3</sub> CCH <sub>2</sub> ) <sub>2</sub> GaP(C <sub>6</sub> H <sub>11</sub> ) <sub>2</sub> ] <sub>2</sub> ," <i>Organometallics</i> , 16:3267-3272 (1997)	
<i>[Signature]</i>	31	Beachley et al., "Cyclopentadiene Elimination Reactions for the Preparation of Organoindium(III) Derivatives. Crystal and Molecular Structures of Me <sub>2</sub> In(acac), (Me <sub>3</sub> CCH <sub>2</sub> ) <sub>2</sub> In(acac), (Me)(Me <sub>3</sub> CCH <sub>2</sub> )In(acac), and [Me <sub>2</sub> InNH(t-Bu)] <sub>2</sub> ," <i>Organometallics</i> , 22:3991-4000 (2003)	
<i>[Signature]</i>	32	Beachley et al., "Chemistry of Indium(III) Tris(cyclopentadienide). Reactions with Diphenylphosphine, <i>tert</i> -Butyl Alcohol, and Acetylacetone. Cyclopentadiene and Reductive Elimination Reactions," <i>Organometallics</i> , 22:1690-1695 (2003)	
<i>[Signature]</i>	33	Furis et al., "Spectroscopic Studies of InP Nanocrystals Synthesized Through a Fast Reaction," Proceedings of the MRS-Materials Research Symposium, (2003) (Abstract)	
<i>[Signature]</i>	34	Cartwright et al., "Ultrafast Dynamics in Nanostructured Materials," Proceedings of SPIE-The International Society for Optical Engineering, 5222(Nanocrystals, and Organic and Hybrid Nanomaterials), 134-139 (2003) (Abstract)	

Examiner Signature	<i>Joseline Nazario-Gonzalez</i>	Date Considered	6/22/06
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				First Named Inventor	Lucey
				Art Unit	1621
				Examiner Name	To Be Assigned - <i>NAZARIO GONZALEZ</i>
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<i>[Signature]</i>	1	US-2002/0066401 A1	06-06-2002	Peng et al.	
	2	US-6,911,082	06-28-2005	Sato et al.	
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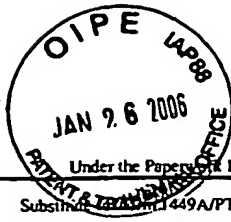
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